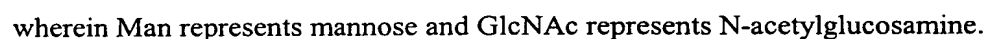
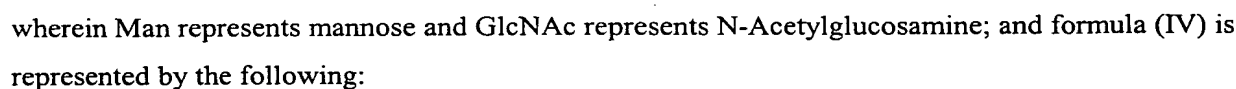
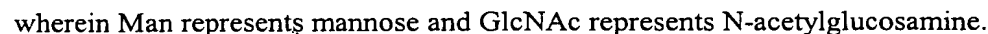


44. (New) A method for preparing a yeast mutant that produces a glycoprotein comprising a sugar chain represented by formula (IV), which comprises (i) introducing an α -mannosidase I gene and a GnT-I gene into a yeast mutant that produces a glycoprotein comprising a sugar chain represented by formula (I), and (ii) allowing an α -mannosidase protein and a GnT-I protein to express therein, wherein formula (I) is represented by the following:



45. (New) A method for preparing a yeast mutant that expresses an α -mannosidase I protein, a GnT-I protein, an α -mannosidase II protein and a GnT-II protein, comprising introducing an α -mannosidase I gene, a GnT-I gene, an α -mannosidase II gene and a GnT-II gene into a yeast mutant that produces a glycoprotein comprising a sugar chain represented by the following formula (I):



46. (New) The method according to claim 44, wherein said yeast mutant that produces a glycoprotein comprising a sugar chain represented by formula (IV) comprises an OCH1 gene that is disrupted.

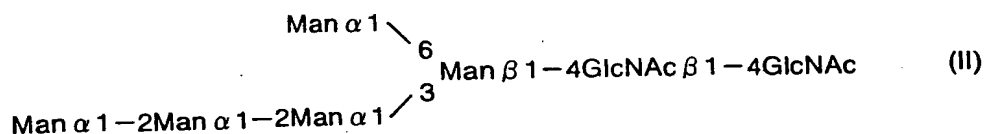
47. (New) The method according to claim 45, wherein said yeast mutant that expresses an α -mannosidase I protein, a GnT-I protein, an α -mannosidase II protein and a GnT-II protein comprises an OCH1 gene that is disrupted.

48. (New) The method according claim 44, wherein the α -mannosidase I gene is derived from *Aspergillus saitoi*.

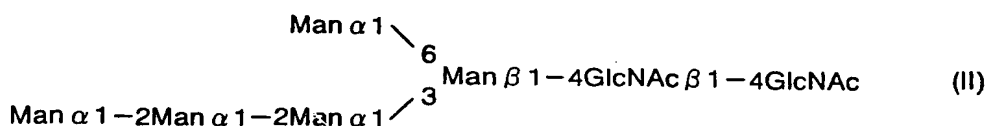
49. (New) The method according to claim 44, wherein the yeast mutant is *Saccharomyces cerevisiae*.

50. (New) The method according to claim 48, wherein the yeast mutant is *Saccharomyces cerevisiae*.

51. (New) A method for producing a yeast mutant that expresses an α -mannosidase I protein comprising introducing an α -mannosidase I gene into a yeast mutant that produces a glycoprotein comprising a sugar chain represented by the following formula (II).



52. (New) A method for preparing a yeast mutant that expresses an α -mannosidase I protein, a GnT-I protein and a GnT-II protein, comprising introducing an α -mannosidase I gene, a GnT-I gene and a Gnt-II gene into a yeast mutant that produces a glycoprotein having a sugar chain represented by the following formula (II):



53. (New) The method according to claim 51, wherein said yeast mutant that expresses an α -mannosidase I protein comprises an OCH1 gene that is disrupted.

54. (New) The method according to claim 52, wherein said yeast mutant that expresses an α -mannosidase I protein, a GnT-I protein and a GnT-II protein comprises an OCH1 gene that is disrupted.

55. (New) The method according to claim 51, wherein the α -mannosidase I gene is derived from *Aspergillus saitoi*.

56. (New) The method according to claim 51, wherein the yeast mutant is *Saccharomyces cerevisiae*.

57. (New) The method according to claim 55, wherein the yeast mutant is *Saccharomyces cerevisiae*.

58. (New) A method for preparing a yeast mutant, which comprises disrupting with a regenerable auxotrophic marker in a yeast, a gene associated with a sugar chain synthesis of a glycoprotein produced by the yeast.

59. (New) The method according to claim 58, wherein the auxotrophic marker is uracil.

60. (New) The method according to claim 58, wherein the gene associated with the sugar chain synthesis is an OCH1 gene.

61. (New) A method for preparing a glycoprotein, which comprises (i) culturing the yeast mutant produced by the method according to claim 39 in a medium, (ii) producing and accumulating a glycoprotein in the obtained culture product, and (iii) collecting the glycoprotein from the culture product.

62 (New) The glycoprotein produced by the method according to claim 39.

63. (New) The method according to claim 40, wherein the yeast mutant is *Saccharomyces cerevisiae*.

64. (New) The method according to claim 41, wherein the yeast mutant is *Saccharomyces cerevisiae*.

65. (New) The method according to claim 42, wherein the yeast mutant is *Saccharomyces cerevisiae*.

66. (New) The method according claim 45, wherein the α -mannosidase I gene is derived from *Aspergillus saitoi*.

67. (New) The method according claim 46, wherein the α -mannosidase I gene is derived from *Aspergillus saitoi*.

68. (New) The method according claim 47, wherein the α -mannosidase I gene is derived from *Aspergillus saitoi*.

69. (New) The method according to any one of claims 45, wherein the yeast mutant is *Saccharomyces cerevisiae*.

70. (New) The method according to any one of claims 46, wherein the yeast mutant is *Saccharomyces cerevisiae*.

71. (New) The method according to any one of claims 47, wherein the yeast mutant is *Saccharomyces cerevisiae*.

72. (New) The method according to claim 45, wherein the yeast mutant is *Saccharomyces cerevisiae*.

73. (New) The method according to claim 46, wherein the yeast mutant is *Saccharomyces cerevisiae*.

74. (New) The method according to claim 47, wherein the yeast mutant is *Saccharomyces cerevisiae*.

75. (New) The method according to claim 52, wherein the α -mannosidase I gene is derived from *Aspergillus saitoi*.

76. (New) The method according to claim 53, wherein the α -mannosidase I gene is derived from *Aspergillus saitoi*.

77. (New) The method according to claim 54, wherein the α -mannosidase I gene is derived from *Aspergillus saitoi*.

78. (New) The method according to claim 52, wherein the yeast mutant is *Saccharomyces cerevisiae*.

79. (New) The method according to claim 53, wherein the yeast mutant is *Saccharomyces cerevisiae*.

80. (New) The method according to claim 54, wherein the yeast mutant is *Saccharomyces cerevisiae*.

81. (New) The method according to claim 75, wherein the yeast mutant is *Saccharomyces cerevisiae*.

82. (New) The method according to claim 76, wherein the yeast mutant is *Saccharomyces cerevisiae*.

83. (New) The method according to claim 77, wherein the yeast mutant is *Saccharomyces cerevisiae*.

84. (New) The method according to claim 69, wherein the gene associated with the sugar chain synthesis is an OCH1 gene.

85. (New) The method according to claim 707, wherein the gene associated with the sugar chain synthesis is an OCH1 gene.

86. (New) The method according to claim 71, wherein the gene associated with the sugar chain synthesis is an OCH1 gene.

87. (New) The method according to claim 50, wherein the gene associated with the sugar chain synthesis is an OCH1 gene.